



**NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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5-10

AGRICULTURAL NEWS: Derby week started off with dry weather and comfortable temperatures only to give way to record setting rainfall for the weekend. Temperature average, at 60 degrees, was 2 degrees below normal for this point in the season. Total rainfall for the week was 4.79 inches, 3.79 inches above average. **Topsoil moisture** was rated as 1 percent very short, 4 percent short, 38 percent adequate, and 57 percent surplus. **Subsoil moisture** was rated as 1 percent very short, 5 percent short, 49 percent adequate, and 45 percent surplus. There were 3.0 days, out of a possible 7, suitable for fieldwork. Farmers were able to enjoy favorable working conditions mid-week, however heavy precipitation over the weekend halted progress. Many regions in the state are now contending with flooding as a result of the weather conditions. Some areas will undoubtedly suffer crop damage, however the extent cannot be determined at this time.

ROW CROPS: Corn planting progress was aided by nice weather during the middle part of the week. However, widespread flooding over the weekend damaged some of the crop. Much of the damage to the corn crop occurred in the low lying areas, especially near creeks and rivers. Reported progress was 83 percent of intended acreage planted, up 50 percent from last year, and up 24 percent from the five year average. Corn emergence was reported at 59 percent, 48 percent above the previous year, and 29 percent above the five year average. Soybean planting progress was reported at 6 percent, 5 percent above last year, and 1 percent above the five year average.

TOBACCO: As of Sunday May 2, 33 percent of tobacco plants were less than 2 inches tall, 37 percent were 2 to 4 inches tall, and 30 percent were taller than 4 inches. Only 1 percent of burley tobacco acreage had been set, 1 percent under the five year average. Dark tobacco is 3 percent set, two percent

ahead of the five year average. The heavy rains may have washed out some float bed seedlings.

SMALL GRAINS: Winter wheat condition was reported as 1 percent very poor, 1 percent poor, 20 percent fair, 58 percent good, and 20 percent excellent. Winter wheat headed was 22 percent, 2 percent below last year, and 13 percent below the five year average.

OTHER CROPS AND PASTURE: For the week of May 2, hay crop condition was rated as 1 percent very poor, 4 percent poor, 33 percent fair, 48 percent good, and 14 percent excellent. Recent rains have benefitted pastures. Pasture condition was rated as 1 percent very poor, 4 percent poor, 26 percent fair, 51 percent good, and 18 percent excellent.

CROP PROGRESS for week ending 05/02/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Planted	83	74	33	59
Corn Emerged	59	39	11	30
Wheat Headed	22	6	24	35
Soybeans Planted	6	3	1	5
Burley Tobacco Set	1	NA	1	2
Dark Tobacco Set	3	NA	0	1

SOIL MOISTURE for week ending 05/02/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	1	4	38	57
Subsoil	1	5	49	45

CROP CONDITIONS for week ending 05/02/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Wheat	1	1	20	58	20
Pasture	1	4	26	51	18
Hay Crops	1	4	33	48	14

KENTUCKY WEATHER SUMMARY, APRIL 26 – MAY 2, 2010:

Just Below Normal Temperature and Above Normal Rainfall:

The past week makes the 2nd week in a row with above normal rainfall. In fact with the heavy rains over the weekend, this past week has been the wettest all year. The week started off with some light rain mainly east, which came from a system that dropped most of its rainfall the previous week. By mid week the state was mostly clear and warm; however for the weekend things changed a great deal. Due to a low pressure and cold front moving in from the west and an abundance of very moist air being brought in from the Gulf Coast, the Commonwealth received some record heavy rainfall over the weekend. The majority of rain fell in central parts of the state with the maximum in the south central, where some places received around 10 inches for the weekend. The system caused widespread flooding across the state as well as some severe weather; including large hail, flash flooding, damaging winds, and tornadoes.

Temperatures for the period averaged 60 degrees across the state which was 2 degrees below normal and equal to the previous week's temperature. High temperatures averaged from 70 in the West to 68 in the East. Departure from normal high temperatures ranged from 6 degrees below normal in the West to 2 degrees below normal in the East. Low temperatures averaged from 54 degrees in the West to 48 degrees in the East. Departure from normal low temperature ranged from 3 degrees above normal in the West to 1 degree below normal in the East.

Rainfall for the period totaled 4.79 inches statewide which was 3.79 inches above normal. Rainfall totals by climate division, West 4.05 inches, Central 6.66 inches, Bluegrass 5.39 inches and East 3.09 inches, which was 2.96, 5.62, 4.43 and 2.14 inches respectively above normal. By station, rainfall totals ranged from a low of 1.94 inches at Covington to a high of 9.06 inches at Bowling Green.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, MAY 2, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)										
Bardstown	6.04	8.24	8.18	+4.07	+4.53	80	35	59.6	-2	77	415	+85
Berea	8.11	9.88	9.88	+5.31	+5.88	85	31	59.4	-1	82	383	+51
Bowling Green	9.06	11.98	11.86	+7.34	+7.80	83	39	60.9	-0	84	441	+109
Bristol	0.46	2.21	2.21	-1.34	-0.90	89	33	58.7	-1	81	400	+102
Buckhorn Lake	2.65	4.73	4.73	+0.71	+1.21	82	30	57.0	-3	65	373	+75
Cape Girardeau	3.06	7.61	6.87	+2.85	+2.70	78	40	62.9	-1	96	438	+104
Campbellsville	8.43	11.04	11.01	+5.97	+6.57	81	36	58.8	-2	74	396	+64
Covington	1.94	3.81	3.81	-0.22	+0.28	79	32	57.4	-3	68	363	+95
Cumberland Gap	2.49	4.63	4.63	+0.24	+0.78	83	37	59.3	-1	78	410	+112
Dix Dam	7.99	9.84	9.84	+5.31	+5.88	81	35	58.6	-1	70	381	+51
Evansville	2.57	5.55	5.19	+1.22	+1.40	80	41	62.4	-1	90	431	+129
Glasgow	7.23	9.79	9.70	+4.91	+5.43	81	38	60.1	-1	77	413	+141
Grayson	3.29	5.02	5.02	+1.12	+1.60	83	29	56.9	-3	70	366	+100
Hardinsburg	5.85	10.25	9.88	+5.63	+5.83	80	37	60.3	-1	78	411	+79
Henderson	4.50	7.14	6.74	+2.59	+2.75	80	41	61.6	-2	86	415	+83
Huntington	1.59	3.87	3.87	-0.00	+0.48	86	31	58.1	-2	77	407	+109
Jackson	2.35	3.67	3.67	-0.72	-0.17	85	33	59.1	-1	76	442	+144
Lexington	6.59	8.11	8.09	+3.94	+4.44	82	33	57.9	-2	69	378	+110
London	2.45	5.01	5.01	+0.82	+1.34	84	31	57.9	-2	71	399	+101
Louisville	5.11	8.72	8.68	+4.19	+4.72	83	39	60.9	-0	83	443	+141
Mayfield	3.98	6.49	6.00	+1.12	+1.30	80	38	63.0	-0	97	452	+88
Nashville	13.64	16.99	16.83	+12.31	+12.73	82	42	62.1	+1	91	471	+107
Nolin Lake	6.66	9.29	9.13	+4.41	+4.85	80	34	59.4	-2	78	397	+67
Paducah	3.69	6.48	5.92	+1.15	+1.26	79	39	62.9	-1	95	448	+114
Princeton	6.47	9.72	9.25	+4.60	+4.77	79	38	60.6	-3	83	436	+74
Quicksand	2.39	3.77	3.77	-0.62	-0.07	86	34	57.8	-2	75	411	+113
Somerset	7.47	9.18	9.18	+4.50	+5.08	82	31	58.6	-1	75	392	+62
Spindletop	4.39	6.06	6.04	+1.89	+2.39	80	33	57.6	-2	72	384	+116
Williamstown	3.32	5.86	5.86	+1.43	+1.98	80	32	57.8	-2	70	373	+105

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>